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Peniophora hallenbergii sp. nov. from India

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Abstract – A new corticioid species, *Peniophora hallenbergii*, is described on a stick of *Rosa indica* from Uttarakhand state in India.

Key words – *Basidiomycota, Agaricomycetes*, Chaurangi Khal, Uttarkashi

While conducting fungal forays in Chaurangi Khal area of district Uttarkashi, Uttarakhand (India), Samita collected an unknown corticioid fungus on a stick of *Rosa indica*. The presence of gloeocystidia, metuloids, and smooth inamyloid basidiospores indicates that the material belongs to genus *Peniophora* (Rattan 1977, Eriksson et al. 1978, Boidin et al. 1991, Dhingra 1993, Boidin 1994, Wu 2002, Bernicchia & Gorjón 2010). The material, which keys out near *P. boidinii* but from which it differs in basidiospore shape, is described here as a new species. A portion of the basidiocarp was sent to Prof. Nils Hallenberg (Sweden), who confirmed the findings.

Peniophora hallenbergii Samita & Dhingra **sp. nov.** Figs 1–9

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Differs from *Peniophora boidinii* by its broadly ellipsoid basidiospores.

Type: India, Uttarakhand: Uttarkashi, Chaurangi Khal, on a stick of *Rosa indica* L., 29 September 2011, Samita 5167 (PUN, **holotype**).

Etymology: In honor of Nils Hallenberg, Professor Emeritus, University of Gothenburg, Sweden.

Basidiocarps resupinate, adnate, effused, ≤180 µm thick in section, hymenial surface smooth, grayish orange; margins thinning, fibrillose, paler concolorous to whitish. Hyphal system monomitic; generative hyphae ≤4.5 µm wide, branched, septate, clamped; basal hyphae parallel to the substrate, thin- to somewhat thick-walled, subhyaline to pale brown; subhymenial hyphae vertical, subhyaline, compactly arranged. Gloeocystidia 25–46 × 5–8.5 µm, few,

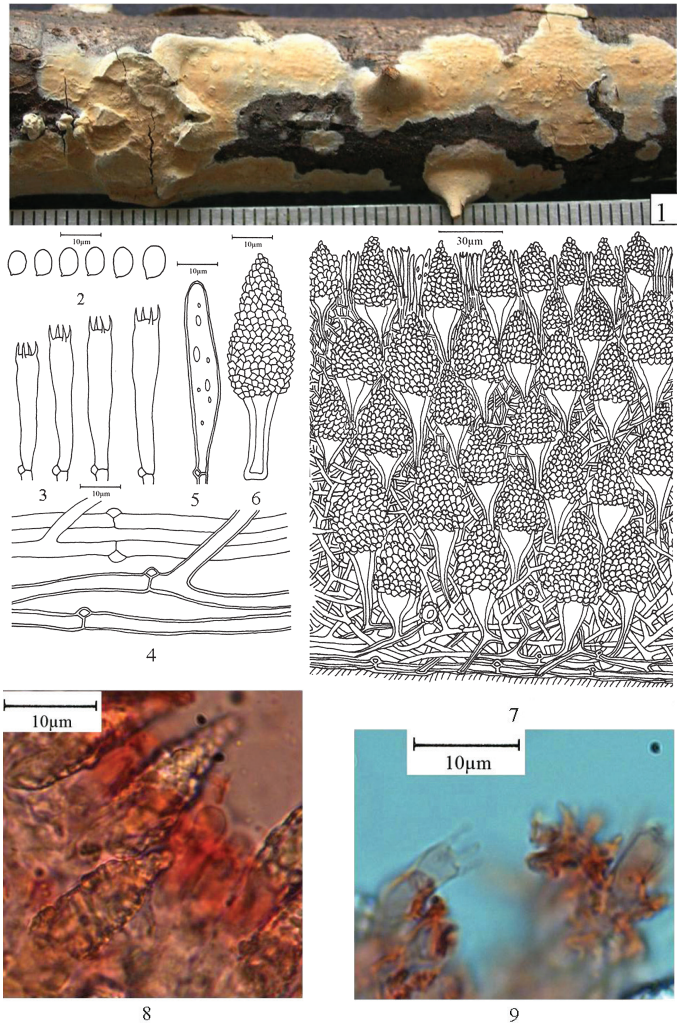

Plate 1. *Peniophora hallenbergii* (holotype). 1. Basidiocarp showing hymenial surface. 2. Basidiospores. 3. Basidia. 4. Hyphae. 5. Gloeocystidium. 6. Metuloid 7. Vertical section through basidiocarp. 8. Cystidia. 9. Basidia.

subfusiform, slightly thick-walled, negative to sulphovanillin. Metuloids 30–58 × 8–15 µm, abundant, conical to subfusiform, heavily encrusted, thick-walled, with basal clamp. Basidia 28–37 × 3.5–5 µm, clavate, 4-sterigmate, with basal clamp; sterigmata ≤4.5 µm long. Basidiospores 6.3–8 × 4.5–5.6 µm, broadly ellipsoid, inamyloid, acyanophilous.

Additional material studied: India, Uttarakhand: Dehradun, Chakrata, on angiospermous wood, 18 September 2012, Samita 5168 (PUN).

Remarks— *Peniophora hallenbergii* resembles *P. boidinii* D.A. Reid (described from southwestern Europe) in having a similar basidiocarp morphology and two kinds of cystidia. However, *P. boidinii* differs in having narrowly ellipsoid to reniform or suballantoid basidiospores (6–9 × 3–3.8 μm).

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